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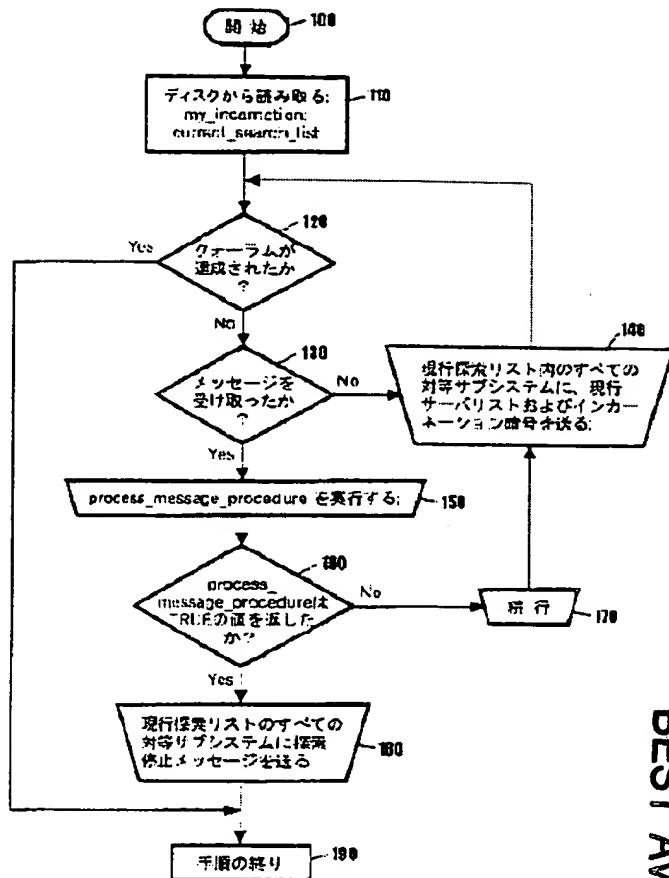
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TITLE : METHOD AND SYSTEM FOR JUDGING
 QUORUM NUMBER IN DISTRIBUTED
 COMPUTING SYSTEM AND STORAGE
 DEVICE

ABSTRACT : PROBLEM TO BE SOLVED: To provide the dynamic re-configuration of a quorum group of a processor and its recovery procedure for a non-shared distributed computing system.

SOLUTION: Dynamic re-configuration is progressed when it is assumed that the remaining processors of a quorum number exist even when at least one processor of the quorum group of the processors is usage impossible. A recovery processing is executed by the group of the processors and, as the result of it, present state information is obtained in at least one of the processors being usage impossible during dynamic re-configuration of the group after it becomes active. The respective processors of the processor group include an incarnation number and the list of member processors which attend a commitment processing for giving the incarnation number.

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